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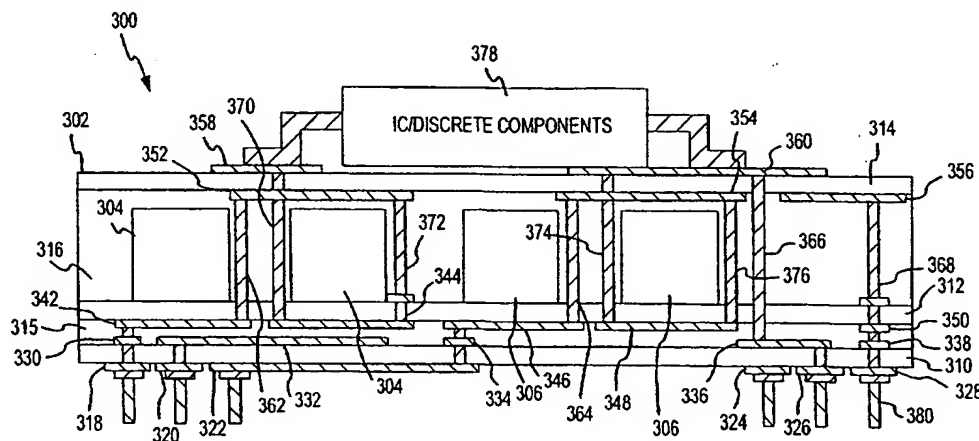
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(54) Title: MICROELECTRONIC MAGNETIC STRUCTURE, DEVICE INCLUDING THE STRUCTURE, AND METHODS OF
FORMING THE STRUCTURE AND DEVICE



(57) Abstract: An improved magnetic structure suitable for electronic applications is disclosed. The magnetic structure (304, 306) may be formed on or within a substrate (302) such as a printed circuit board by forming a layer of magnetic material, patterning the layer of magnetic material, and etching the layer to form the magnetic structure. Various insulating layers (310-316) and/or conductive layers (318-368) may then be formed over the magnetic structures as part of the substrate. Inductors suitable for use in power supplies may be formed using the magnetic structures of the present invention.

INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01F17/00 H01F41/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 959 846 A (MIYASHITA MASASHI ET AL) 28 September 1999 (1999-09-28)	1,2,4-8, 15,17-19
Y	abstract column 1, line 60 - line 65 column 4, line 50 - column 6, line 13 column 7, line 63 - column 8, line 4; figures 1,9,13,18	9,11-13
X	EP 0 756 298 A (AUTOSPLICE SYSTEMS INC) 29 January 1997 (1997-01-29)	1,2,4-6
Y	abstract; figures	9,11-13
Y	US 3 898 595 A (LAUNT LARRY L) 5 August 1975 (1975-08-05) column 2, line 36 - line 62; figures	9,11-13
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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* & * document member of the same patent family

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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Information on patent family members

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